

Comparisons of Job Characteristics

Focus Occupation: Architectural and Civil Drafters (17-3011)

Associated Occupation: Architects, Except Landscape and Naval (17-1011)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 84

Focus Occupation: Architectural and Civil Drafters (17-3011)

Associated Occupation: Architects, Except Landscape and Naval (17-1011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Design	5.2	25.0	21.0	<<	Extensive education and/or training may be required
Building and Construction	4.0	22.4	15.5	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	20.3	15.2	<<	Extensive education and/or training may be required
Administration and Management	8.4	14.9	5.4	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	14.2	7.3	<<	Extensive education and/or training may be required
Sales and Marketing	5.2	14.0	4.0	<<	Extensive education and/or training may be required
Law and Government	5.9	13.4	8.0	<<	Extensive education and/or training may be required
Production and Processing	6.0	11.4	7.6	<<	Extensive education and/or training may be required
Fine Arts	2.2	10.4	3.2	<<	Extensive education and/or training may be required
Personnel and Human Resources	5.6	9.8	2.7	<<	Extensive education and/or training may be required
Sociology and Anthropology	4.1	9.6	3.7	<<	Extensive education and/or training may be required
Geography	3.9	8.2	7.9	0	Current knowledge level may be sufficient
History and Archeology	2.6	7.2	4.0	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: Architectural and Civil Drafters (17-3011)
Associated Occupation: Architects, Except Landscape and Naval (17-1011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Critical Thinking	10.8	15.5	10.8	<<	Extensive development of skills in this area may be required
Judgment and Decision Making	9.4	14.6	9.4	<<	Extensive development of skills in this area may be required
Complex Problem Solving	9.1	14.5	9.3	<<	Extensive development of skills in this area may be required
Operations Analysis	5.0	12.7	8.0	<<	Extensive development of skills in this area may be required
Coordination	9.1	12.6	9.4	<<	Extensive development of skills in this area may be required
Mathematics	6.2	11.7	11.0	0	Current skill level may be sufficient
Negotiation	6.8	10.8	6.4	<<	Extensive development of skills in this area may be required
Management of Financial Resources	3.3	9.5	4.5	<<	Extensive development of skills in this area may be required
Management of Material Resources	3.7	8.8	4.6	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 97

Focus Occupation: Architectural and Civil Drafters (17-3011)
Associated Occupation: Architects, Except Landscape and Naval (17-1011)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Visualization	7.5	16.9	12.5	<<	Extensive improvement in abilities may be required
Deductive Reasoning	10.6	16.5	10.6	<<	Extensive improvement in abilities may be required
Near Vision	11.1	15.7	13.3	<	Some improvement in abilities may be required
Problem Sensitivity	11.1	15.5	11.5	<<	Extensive improvement in abilities may be required
Fluency of Ideas	7.6	15.2	8.6	<<	Extensive improvement in abilities may be required
Originality	7.6	15.0	8.7	<<	Extensive improvement in abilities may be required
Information Ordering	9.9	14.8	11.5	<<	Extensive improvement in abilities may be required
Category Flexibility	9.0	13.9	10.1	<<	Extensive improvement in abilities may be required
Number Facility	6.3	13.4	8.5	<<	Extensive improvement in abilities may be required
Far Vision	7.8	13.0	9.0	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 91

Focus Occupation: Architectural and Civil Drafters (17-3011)
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Work Activities	Exclusivity of Activity
Analyze technical data, designs, or preliminary specifications	47
Communicate technical information	4
Develop plans for programs or projects	31
Direct and coordinate activities of workers or staff	3
Draw maps or charts	69
Draw prototypes, plans, or maps to scale	57
Evaluate engineering data	60
Inspect project operations, or site to determine specification compliance	72
Interpret aerial photographs	69
Interpret maps for architecture, construction, or engineering project	77
Prepare contract documents	78
Prepare technical reports or related documentation	22
Read blueprints	10
Read technical drawings	7
Research property records	77
Understand construction specifications	53
Understand engineering data or reports	48
Use computer aided drafting or design software for design, drafting, modeling, or other engineering tasks	58
Use computer graphics design software	70
Use computers to enter, access or retrieve data	3
Use drafting or mechanical drawing techniques	50
Use field notes in technical drawings	78
Use land surveying techniques	80
Use spreadsheet software	18
Use word processing or desktop publishing software	17
Write business project or bid proposals	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 76

Focus Occupation: Architectural and Civil Drafters (17-3011)
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Tools and Technologies	Exclusivity
Business function specific software	1
Computer printers	2
Computers	1
Content authoring and editing software	1
Content management software	6
Data management and query software	1
Drafting supplies	9
Industry specific software	1
Information exchange software	1

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.